

What is claimed is:

1. A handling device of security data comprising:
an in-vehicle unit having a portable unit
authenticating unit, a nonvolatile memory, and a controller;
5 a vehicle having the in-vehicle unit, an in-vehicle
system, and a communication unit; and
a portable unit for giving a control instruction to the in-
vehicle system of the vehicle through communication with the
communication unit, in which
10 an encryption unit for encrypting the security data of
the vehicle with a cipher key is interposed between the
controller and the nonvolatile memory of the in-vehicle unit,
and
the security data is encrypted with the cipher key and
15 stored into the nonvolatile memory according to the
instruction from the controller.
2. The handling device of security data, according to
Claim 1, in which
20 the cipher key is stored in another nonvolatile memory
than the nonvolatile memory storing an encrypted signal of
the security data.
3. The handling device of security data, according to
25 Claim 2, in which

the security data includes a portable unit ID, the nonvolatile memory is an EEPROM, and the other nonvolatile memory is a ROM.

5 4. The handling device of security data, according to Claim 3, in which

an in-vehicle unit ID is stored in the EEPROM in addition to the portable unit ID.

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10 5. A handling method of security data of a vehicle provided with an in-vehicle unit having a portable unit authenticating unit, a nonvolatile memory, and a controller, a vehicle having the in-vehicle unit, a door locking mechanism, and a communication unit, and a portable unit for
15 locking or unlocking the door locking mechanism of the vehicle through communication with the communication unit, the method comprising

a step of encrypting the security data with a cipher key in an encryption unit provided between the controller and
20 the nonvolatile memory of the in-vehicle unit, and

a step of storing the encrypted signal into the nonvolatile memory and storing the cipher key into another nonvolatile memory than the above nonvolatile memory.